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Steinberg Media Technologies GmbH
Midex 8 USB Midi Driver 1.9.0.3
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- 1. Initial Midex driver installation
2. Update from older Midex drivers
3. Cubase VST MROS updates
4. Driver History

- 1. Initial Midex driver installation

The automatic Midex driver update can also be used for a initial Midex driver installation. You only have to double click on the 'Midex8_V1_93.exe' program icon BEFORE the Midex is connected to the computer. After the 'Midex8_V1_93.exe' program has completed it is not necessary to restart the computer. Simply connect the Midex via USB cable with the computer and follow the instructions of the Hardware Wizard.

Please have a look at the Windows XP notes described in section 2 of this document.

Please keep your Windows Installation CD ready because the Hardware Wizard has to add some standard components. It depends on your Windows installation if it becomes necessary or not.

Finally, Windows has to be restarted.

- 2. Update from older Midex drivers

Please remove any Midex driver CD from the CD-ROM drive.

Double click on the 'Midex8_V1_93.exe' program icon to install the new Midex 8 USB Midi driver. Please follow the steps described below after the automatic installation procedure.

- a.) Interrupt all Midex USB connections. (If the Midex is connected to an external Power supply, please remove that connection, too.)
b.) Restart the computer.
c.) Restore all Midex USB connections. (If the Midex was connected to an external Power supply, please restore that connection first.)

Note: It is very important to shut down the Midex by

removing the USB cable and external power supply during the driver update. Any new Midex firmware would not be activated if this step was ignored.

The Windows Hardware Wizard will automatically install the new drivers after the system has been restarted and the Midex USB connections are restored.

Please keep your Windows Installation CD ready because the Hardware Wizard has to add some standard components. It depends on your Windows installation if it becomes necessary or not.

Windows 2000/XP only:

Windows XP Hardware Wizard will pop up the 'Welcome to the Found New Hardware Wizard' dialog for the 'Steinberg Midex 8 Firmware Loader' driver.

- a.) >>> Windows XP only <<<
Accept the default option 'Install the software automatically (Recommended)' and click the 'Next' button.
- b.) Click the 'Continue Anyway' button in the following dialog.

Note: Although this driver has not yet been through the formal Microsoft approval system to obtain a 'digital signature' that it is approved for Windows, Steinberg have made all reasonable efforts to test this driver for full compatibility. Just because there is no 'digital signature' does not mean the driver is in anyway not complying with the driver specification and therefore it's no reason to abort the installation.

- c.) >>> Windows XP only <<<
Click the 'Finish' button in the 'Completing the Found New Hardware Wizard' dialog to finish the driver update.

Repeat these steps for the 'Steinberg Midex 8 USB Midi Driver'.

3. Cubase VST MROS updates

Some of the Cubase VST components have to be updated before running the Midex driver. The 'Midex8_V1_93.exe' driver updater already contains these components and will update them at the designated places.

If you install any Cubase VST version earlier than 5.1 R2 after this driver installation you should run the 'UpdMros' installer to automatically update the appropriate components.

4. Driver History

Version 1.0.1.1

* This version needs less USB bandwidth, so up to 4 Midex 8 devices can be connected to one USB host controller.

* Hanging notes no longer occur if the Midex is connected to a Nord Modular Synth, and the Nord sends SysEx on another port.

* A system crash, which occurs if RPN or NRPN Midi Controller were sent to the Midex by Cubase, is eliminated.

Version 1.5.0.0

* The driver is prepared to support up to 8 Midex 8 devices. Because of the Midex USB bandwidth consumption, each USB host controller is able to support up 4 Midex 8 if there is no other USB device connected.

>> There are some OS related limitations for other applications than Cubase VST or Nuendo.

	Win98SE	WinMe	Win2000	WinXP
No. of Midex	8 Ins	no	10 Ins	32 Ins
Midi Ports	8 Outs	limits	10 Outs	32 Outs

Cubase VST and Nuendo will support all Midex Midi ports of all Midex devices.

* This driver supports multi client cabability. More than one application can use the same physical Midi port at same time.

>> Windows 98SE and Windows Millenium are not prepared to support multi client access to WDM Midi driver. For this reason the Midex Midi ports can be shared with Cubase VST or Nuendo and only ONE other application. Windows 2000 and Windows XP have no restrictions.

Version 1.5.1.0

* A system crash, which occurs while updating to Windows XP, is eliminated.

>> We recommend to deinstall the Midex driver before updating

to Windows XP. After the Windows XP installation is completed, run the automatic Midex Update Program to activate the Midex driver again.

* A system crash, which occurs after an unsafe removal of the Midex under Windows XP, is eliminated.

An unsafe removal means, the Midex USB connection is interrupted without stopping the device by using the 'Safely Remove Hardware' utility.

* This version corrects the behaviour of the Midex Midi ports that were visible to Cubase VST or Nuendo but did not transport any Midi data.

* This driver package also contains a new version (2.0.9.0) of 'SetupMME.exe'. It is a Cubase VST component which determines how many Midi inputs and outputs the system has available. Older versions would not list all Midex Midi ports if more than one Midex are installed in the system. The 'UpdMros' installer also contains the new version of 'SetupMME.exe'.

Version 1.7.0.0

* This driver consumes less CPU performance under Windows XP than previous versions.

* An error, which occurs while transmitting SysEx is solved. (This affects especially to Cubase SX and Nuendo.)

* Unintentional MIDI jitter, which occurs while transmitting a large amount of MIDI data, is eliminated.

Version 1.8.0.0

* This driver package contains a new version (5.1.9.7) of 'mros32.dll'. It compensates for a MIDI to Audio drift on several Win2K or WinXP systems.

* Older Midex 8 driver packages updated the wrong 'mros32.dll' for Cubasis products. This is fixed with this version.

* Midex 8 devices with the Serial Number 336306504 (or greater) needs to run this driver package because of a new Midex 8 hardware revision. Older versions of this driver will not work with these Midex 8 devices.

Version 1.8.0.2

* The Midex 8 driver is able to prevent specific ports appearing as MME MIDI ports. You can switch the MME compatibility on or off in the setup dialog for the Steinberg Midex 8 USB MIDI Driver in the Windows Device Manager.

The reason for this is the Windows port limitation for WDM drivers accessed via Windows Multimedia Extensions (MME), see notes for version 1.5.0.0 above. If there are multiple Midex 8 devices installed, it is possible to determine which ports are accessible via MME. Now there is no need anymore to change the

physical hardware configuration to get arround this problem.

Version 1.9.0.3

- * An error, which occurs while transmitting large SysEx dumps is solved.
- * This driver contains an optimization for receiving SysEx data via DirectMusic MIDI inputs.